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1.

Release Date: 11-25-2013Open Date: 11-25-2013Due Date: 02-04-2014Close Date: 02-04-2014

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SBIR Department of Energy

2.

Release Date: 08-12-2013Open Date: 08-12-2013Due Date: 10-15-2013Close Date: 10-15-2013

DOE SBIR DE-FOA-0000969 1 DOE SBIR DE-FOA-0000969 1 ...

SBIR Department of Energy

3. 14.2-FA2: 14.2-FA2 Management System Display to Track Emergency Response Vehicles and Mutual Aid During a Crash Response

Release Date: 07-14-2014Open Date: 07-14-2014Due Date: 09-15-2014Close Date: 09-15-2014

Disaster response at airports involves integration of airport fire rescue with emergency personnel and equipment from the surrounding community. The current response model is built upon the concept of mutual aid. As such, airport command authorities face the task of coordinating and tracking multiple disparate fire rescue units and personnel. Technology could provide an integrated command and cont ...

SBIR Department of Transportation

4. AF141-250: 64MB+ Radiation-Hardened, Non-Volatile Memory for Space

Release Date: 11-20-2013Open Date: 12-20-2013Due Date: 01-22-2014Close Date: 01-22-2014

OBJECTIVE: Develop and commercialize 64MB (min, MB=1,000,000 bytes of memory, 1 byte=8 bits), radhard, nonvolatile memory (RHNVM) for space applications. DESCRIPTION: The lack of low-cost high-density Radiation-Hardened (RH) Non-Volatile Memory (NVM) continues to be a severely limiting factor in the design of systems for use in space environments. Present solutions rely on inefficient hard ...

SBIR Department of DefenseAir Force

5. A14-041: A LIDAR for Mapping Dense Aerosols

Release Date: 11-20-2013Open Date: 12-20-2013Due Date: 01-22-2014Close Date: 01-22-2014

OBJECTIVE: The objective is to develop a scanning lidar to measure the spatial evolution of dense obscurant clouds (one way transmission 0.25%) with high temporal and spatial resolution. The system should be capable of measuring an obscurant concentration point cloud contained in a 10x10x10 meter measurement volume with sample spacing of 1/5

meters and a total 3D cloud update rate of 1Hz. This m ...

SBIR Department of DefenseArmy

6. A14-042: A Novel Method for Creating Microshear to Aerosolize Packed Powders

Release Date: 11-20-2013Open Date: 12-20-2013Due Date: 01-22-2014Close Date: 01-22-2014

OBJECTIVE: To develop a concept which produces microshear to efficiently separate and disseminate fine powders that are densely packed within a container. Concepts should address material agglomeration issues that arise with optimized packing densities. A systematic study of the forces necessary to overcome binding effects of the materials could be developed along with mathematical modeling to s ...

SBIR Department of DefenseArmy

7. u: A Source and Production Method for Acetyl-Triacylglycerols (ac-TAGs)

Release Date: 08-12-2013Open Date: 08-12-2013Due Date: 10-15-2013Close Date: 10-15-2013

Biodiesel can substitute for conventional petroleum diesel in almost all applications. Oftentimes, use of biodiesel requires engine modification since biodiesel has different solvent properties and often degrades natural rubber. Since use of biodiesel is increasing rapidly, alternative biofuel supplies are needed to accommodate the growing demand. Michigan State Universitys GLBRC inventions provid ...

SBIR Department of Energy

8. AF141-160: Abrasion Resistant Coating on Composite Substrates

Release Date: 11-20-2013Open Date: 12-20-2013Due Date: 01-22-2014Close Date: 01-22-2014

OBJECTIVE: Develop an abrasion resistant coating to help protect sensitive substrates during dry media blast coating-removal operations. DESCRIPTION: A significant need exists to develop an abrasion resistant coating for composite structures capable of protecting the substrates during media blast coating removal operations. This new coating would function as a protective barrier to the sub ...

SBIR Department of DefenseAir Force

9. A14-023: Abuse Tolerant High Energy LiCoPO4-Based 5V Li-ion Cells

Release Date: 11-20-2013Open Date: 12-20-2013Due Date: 01-22-2014Close Date: 01-22-2014

OBJECTIVE: The objective of this topic is to produce abuse tolerant, full LiCoPO4 based Li-ion cells of size greater than or equal to 1 Ah. DESCRIPTION: Li-ion batteries provide the most energy storage capability on a weight and volume basis and high energy dense batteries are

needed to reduce the weight borne by the soldier. However, Li-ion batteries have been shown to be susceptible to abuse ...

SBIR Department of DefenseArmy

10. h: Accelerator Control and Diagnostics

Release Date: 08-12-2013Open Date: 08-12-2013Due Date: 10-15-2013Close Date: 10-15-2013

Grant applications are sought to develop (1) advanced beam diagnostics concepts and devices that provide high speed computer-compatible measurement and monitoring of particle beam intensity, position, emittance, polarization, luminosity, momentum profile, time of arrival, and energy (including such advanced methods as neural networks or expert systems, and techniques that are nondestructive to the ...

SBIR Department of Energy

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